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PROFESSIONAL APPOINTMENTS

- Assistant Professor of Economics and Public Policy, Heinz College (Aug 2013 – present)
Carnegie Mellon University (CMU)
- Visiting Assistant Professor of Economics, University of Chicago (Winter/Spring 2015)
Energy Policy Institute (EPIC) and Department of Economics
- Research Affiliate, Institute for the Study of Labor (IZA) (Mar 2013 – present)

EDUCATION

- Ph.D., Economics, University of California at Berkeley (UC Berkeley) (2013).
Dissertation: *Essays in Applied Microeconomics*
Committee: David Card (advisor), Enrico Moretti, Patrick Kline, Steven Raphael
- M.Sc., Economics, Pontifical Catholic University of Rio de Janeiro (PUC-Rio) (2007).
B.A., Economics (*summa cum laude*), University of São Paulo (USP) (2004).

GRANTS, HONORS AND AWARDS

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| 2016-2018 | National Science Foundation, “ <i>Air Pollution Externalities: Evidence from U.S. Electricity Generation over the Twentieth Century</i> ”, July 1/2016-June 30/2018, with Karen Clay, SES 1627432, \$238,235 |
| 2014, 2017 | Berkman Faculty Development Fund, \$5,180 (2014), \$5K (2017) |
| 2014 | Carnegie Mellon Electricity Industry Center, with Karen Clay, \$10K |
| 2011, 2012 | Graduate Division Summer Grant, UC Berkeley |
| 2010-2011 | Dean’s Normative Time Fellowship, UC Berkeley |
| 2009 | Outstanding Graduate Student Instructor Award, UC Berkeley |
| 2007-2008 | Departmental Scholarship, UC Berkeley |
| 2005-2007 | CAPES Graduate Scholarship, PUC-Rio |

PUBLICATIONS

- “Impacts of Nuclear Plant Shutdown on Coal-fired Power Generation and Infant Health in the Tennessee Valley in the 1980s”, *Nature Energy* 2, 17051 (2017).
- Featured in the accompanying “News and Views” by Michael Shellenberger (2017).
“Nuclear Power: Unexpected Health Benefits,” *Nature Energy* 2, 17058 (2017).

“The Local Socio-Economic Impacts of Large Hydropower Plant Development in a Developing Country”, joint with Felipe de Faria (McKinsey), Alex Davis (CMU-EPP), and Paulina Jaramillo (CMU-EPP), *Energy Economics* 67 (2017): 533-544.

ICPSR DATASET

Bailey, Martha, Karen Clay, Price Fishback, Michael Haines, Shawn Kantor, Edson Severnini, and Anna Wentz. *U.S. County-Level Natality and Mortality Data, 1915-2007*. ICPSR36603-v1. Ann Arbor, MI: Inter-university Consortium for Political and Social Research [distributor], 2016-10-27.

WORKING PAPERS

“Pollution, Infectious Disease, and Mortality: Evidence from the 1918-1919 Spanish Influenza Pandemic”, joint with Karen Clay (CMU) and Joshua Lewis (University of Montreal), *R&R at Journal of Economic History* (NBER Working Paper No. 21635).

“A Retrospective Analysis of the Market Price Response to Distributed Photovoltaic Generation in California”, joint with Michael T. Craig (NREL), Paulina Jaramillo (CMU), Bri-Mathias Hodge (NREL) and Nathaniel J. Williams (CMU), *R&R at Energy Policy*.

“The Power of Hydroelectric Dams: Agglomeration Spillovers”, *IZA Discussion Paper No. 8082*.

“Canary in a Coal Mine: Infant Mortality, Property Values, and Tradeoffs Associated with Mid-20th Century Air Pollution”, joint with Karen Clay (CMU) and Joshua Lewis (University of Montreal), *NBER Working Paper No. 22155*.

“Short- and Long-Run Impacts of Rural Electrification: Evidence from the Rollout of the U.S. Power Grid”, joint with Joshua Lewis (University of Montreal), *IZA Discussion Paper No. 11243*.

“Considering the Nuclear Option: Hidden Benefits and Internalized Social Costs of Nuclear Power in the U.S. Since 1970”, joint with David Adler (CMU) and Akshaya Jha (CMU).

“What Explains Cross-City Variation in Mortality during the 1918 Influenza Pandemic? Evidence from 440 U.S. Cities”, joint with Karen Clay (CMU) and Joshua Lewis (University of Montreal).

WORK IN PROGRESS

“Toxic Truth: Lead and Fertility”, joint with Karen Clay (CMU) and Margarita Portnykh (CMU).

“A New Approach to Measuring Climate Impacts and Adaptation”, joint with Antonio Bento (University of Southern California) and Mehreen Mookerjee (O.P. Jindal Global University).

“Short- and Long-Run Impacts of Environmental Regulations on Firm Behavior: Evidence from the U.S. Electricity Sector, 1938-1999”, joint with Karen Clay (CMU), Akshaya Jha (CMU), and Joshua Lewis (University of Montreal).

“Exclusionary Hiring or Assortative Matching? Measuring the Impacts of Firm Hiring and Pay Policies on Racial Wage Differences in Brazil”, joint with David Card (UC Berkeley), Francois Gerard (Columbia University), and Lorenzo Lagos (Columbia University).

“The Impact of European Immigration on Coffee Production in Brazil – 1874-1905”.

“The Effects of Climate Change on Hourly Electricity Demand in the Tennessee Valley Authority”, joint with Francisco Fonseca (CMU-EPP), Paulina Jaramillo (CMU-EPP), and Mario Berges (CMU-CEE).

“Linking Housing and Automobile Purchase Decisions: Do Housing Supply Regulations Promote Green Cities?”, joint with Antonio Bento (University of Southern California), Joel Landry (Pennsylvania State University), and Sanket Roy (American University of Sharjah).

TEACHING

Instructor, Heinz College, Carnegie Mellon University

PhD Econometrics I (Spring 2016/2017, Fall 2017)

Applied Econometrics I (Fall 2016/2017, Spring 2017)

Applied Econometrics II (Spring 2017 – Minis 3 and 4, Fall 2017)

Urban Economics - Masters (Spring 2014, Fall 2014)

Cost-Benefit Analysis - Masters (Fall 2013/2014/2015, Spring 2014/2016)

Systems Synthesis I (Fall 2017)

Teaching Assistant, Department of Economics, UC Berkeley

Graduate Econometrics (Fall 2009, Spring 2010, Fall 2012, Spring 2013)

Introduction to Econometrics (Summer/Fall 2008, Spring/Summer 2009, Spring 2012)

PRESENTATIONS

2018 ASSA Meetings in Philadelphia, Yale University, Energy Fest (Northwestern University – *scheduled*), Northeast Workshop on Energy Policy and Environmental Economics (Columbia University – *scheduled*), 6th World Congress of Environmental and Resource Economists (*scheduled*)

2017 ASSA Meetings in Chicago, NBER Spring Meetings – Energy and Environmental Economics (EEE), Vanderbilt University, University of California – Santa Barbara, Simon Fraser University, Columbia University, Penn State University, Pontifical Catholic University of Rio de Janeiro (PUC-Rio), Annual Summer Conference of the Association of Environmental and Resource Economists (AERE), SEEPAC Research Workshop: Advances in Estimating Economic Effects from Climate Change Using Weather Observations (SIEPR – Stanford University), 10th International Workshop on Empirical Methods in Energy Economics (EMEE), Heartland Environmental and Resource Economics Workshop at Illinois (UIUC), 5th IZA Workshop: Environment and Labor Markets, Annual Meeting of the Social Science History Association, Annual Meeting of the Urban Economics Association

2016 University of Southern California, University of California – Irvine, Clemson University, Carnegie Mellon University, NBER Spring Meetings – Future of Energy Distribution, NBER Summer Institute – Development of the American Economy (DAE), NBER Summer Institute – Energy and Environmental Economics (EEE), Annual Summer Conference of the Association of Environmental and Resource Economists (AERE), Annual Meeting of the Economic History Association, APPAM Fall Research Conference in Washington DC, U.S. Environmental Protection Agency (EPA), RAND Corporation (Washington, DC), Resources for the Future (RFF), Sao Paulo School of Economics – FGV, University of Sao Paulo (USP)

2015 ASSA Meetings in Boston, UCLA, University of Chicago – EPIC, University of Illinois at Urbana-Champaign, Carnegie Mellon University, Colby College, NBER Summer Institute - Children, 3rd IZA Workshop: Labor Market Effects of Environmental Policies, Annual Meeting of the Population Association of America, 3rd Northeast Workshop on Energy Policy and Environmental Economics, 8th International Workshop on Empirical Methods in Energy Economics, 27th Conference of the International Society for Environmental Epidemiology “Addressing Environmental Health Inequalities”, 15th Occasional Workshop in Environmental and Resource Economics at UCSB, 50th Anniversary Canadian Network for Economic History (CNEH) Conference, 10th Meeting of the Urban Economics Association, 37th Annual Meeting of the Brazilian Econometric Society, 3rd Economics of Low-Carbon Markets Workshop at the University of São Paulo (Ribeirão Preto)

- 2014 ASSA Meetings in Philadelphia, University of California at Berkeley - Labor Lunch, Carnegie Mellon University, Cornell University, University of Montreal, University of Pittsburgh, 61st Annual North American Meetings of the Regional Science Association International, 36th Annual Meeting of the Brazilian Econometric Society, 2nd Economics of Low-Carbon Markets Workshop at the University of São Paulo (Ribeirão Preto)
- 2013 Carnegie Mellon University, London School of Economics, NBER Summer Institute - Development of the American Economy (DAE), Toulouse School of Economics, George Washington University, Case Western Reserve University, University of Calgary, 8th Meeting of the Urban Economics Association, World Bank, Inter-American Development Bank, Pontifical Catholic University of Rio de Janeiro (PUC-Rio), Getulio Vargas Foundation (EPGE), 35th Annual Meeting of the Brazilian Econometric Society, Cornerstone Research
- 2012 University of California at Berkeley

DISCUSSIONS

- 2017 Annual Meeting of the Social Science History Association in Montreal
- 2016 ASSA Meetings in San Francisco
- 2015 ASSA Meetings in Boston, Annual Meeting of the Urban Economics Association in Portland-OR, Annual Meeting of the Economic History Association in Nashville-TN, CIREQ Montreal Applied Economics Conference
- 2014 ASSA Meetings in Philadelphia, Annual Meeting of the Economic History Association in Columbus-OH

ORGANIZATIONAL COMMITTEES

- 2018 40th Annual Meeting of the Brazilian Econometric Society
- 2017 AERE Summer Conference
- 2015/2016/2017 Economics of Low-Carbon Markets Workshop at the University of São Paulo
- 2014 36th Annual Meeting of the Brazilian Econometric Society

REFeree ACTIVITIES

Quarterly Journal of Economics, Journal of Political Economy, Journal of the European Economic Association, American Economic Journal: Macroeconomics, Journal of the Association of Environmental and Resource Economists, Journal of Economic History, Journal of Urban Economics, Journal of Public Economics, Journal of Development Economics, National Tax Journal, Health Economics, Economic Inquiry, and Economia Aplicada

OTHER INFORMATION

Affiliations: American Economic Association, Association of Environmental and Resources Economists, Economic History Association
 Languages: English (fluent), Portuguese (native), Spanish (intermediate)
 Citizenship: Brazil (H-1B Visa)